

Patent
10/029,805

IN THE CLAIMS:

Please cancel Claims 3, 5, 6, 13 and 16 without prejudice.

Please amend Claims 1, 12 and 17 as follows:

1. (Currently Amended) A navigation system for detecting a current position of a user in a building, the navigation system comprising:

at least one light source including a driver and an encoder, the driver and the encoder coupled to the light source so that the light source produces a modulated light signal in accordance with a predetermined signature, wherein said light source is stationary;

a receiver including a photosensitive detector capable of detecting the modulated light signal produced by said stationary light source and a decoder capable of decoding the predetermined signature said receiver further comprising:

a memory;

a controller communicatively coupled to the receiver and the memory; and

an output device coupled to the controller,

wherein the controller is arranged to receive the decoded predetermined signature, and based upon the decoded predetermined signature, retrieve information as to the location of said at least one light source in a digital map of the building and obtain at least one navigation instruction stored in the memory, and output the navigation instruction using the output device.

2. (Original) The navigation system according to Claim 1, wherein the predetermined signature comprises a unique binary code.

3. (Canceled)

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4. (Original) The navigation system according to Claim 1, wherein the output device comprises an audio device or an image device.
5. (Canceled)
6. (Canceled)
7. (Original) The navigation system according to Claim 1, wherein the memory is accessed by the controller via a communication network.
8. (Original) The navigation system according to Claim 1, further comprising an input device.
9. (Original) The navigation system according to Claim 8, wherein the modulated light signal is provided when a predetermined input is received by the input device.
10. (Original) The navigation system according to Claim 8, wherein the predetermined signature is programmable using the input device.
11. (Original) The navigation system according to Claim 8, wherein the input device comprises a keyboard, push buttons, a touch pad, a mouse or a voice recognition unit.

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12. (Currently Amended) A receiver to be used within a navigation system for detecting a current position of a user in a building, the receiver comprising:

a photosensitive detector capable of detecting a modulated light signal;
a decoder capable of decoding a predetermined code from the modulated light signal;

a memory;

a controller communicatively coupled to the receiver and the memory; and

an output device coupled to the controller,

wherein the controller is arranged to receive the decoded predetermined signature, and based upon the decoded predetermined signature, retrieve information as to the location of at least one light source in a digital map of the building and obtain at least one navigation instruction stored in the memory, and output the navigation instruction using the output device.

13. (Canceled)

14. (Original) The receiver according to Claim 12, wherein the memory is accessed by the controller via a communication network.

15. (Original) The receiver according to Claim 12, further comprising an input device.

16. (Canceled)

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17. (Currently Amended) A navigation system for detecting a current position of a user in a building, the navigation system comprising:

means for producing at least one light signal having a signature, wherein said means for producing at least one light signal is stationary;

means for decoding the signature from the light signal;

means for retrieving information as to the location of the means for producing the at least one light signal in a digital map of the building and for providing a navigation instruction in accordance with the ~~signature~~ information.